

REMARKS

The Title has been amended at page 1 and on the Abstract page (page 28) to make it consistent with the Title given on the Declaration and Assignment signed by the inventors.

The specification has been amended at pages 1 and 3 to insert the headings "BACKGROUND OF THE INVENTION", "SUMMARY OF THE INVENTION", "BRIEF DESCRIPTION OF THE DRAWINGS" AND "DETAILED DESCRIPTION OF THE INVENTION".

The specification has also been amended at page 3 to insert a brief description of Figures 1-3. Support for these descriptions is found at page 24, lines 1-3 of the specification and in the Figures.

Claims 1-10 have been cancelled.

New Claim 11 corresponds substantially to original Claim 1.

New Claim 12 corresponds substantially to original Claim 2.

New Claim 13 corresponds substantially to original Claim 3.

New Claim 14 corresponds substantially to original Claim 4.

New Claim 15 corresponds substantially to original Claim 5.

New Claim 16 corresponds substantially to original Claim 6.

New Claim 17 corresponds substantially to original Claim 7.


New Claim 18 corresponds substantially to original Claim 9.

The Abstract has been rewritten to place it in better form. A new Abstract page is enclosed.

Entry of this Amendment and an action on the merits of this case are respectfully requested.

Respectfully submitted,

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**Marked up version reflecting changes to specification**

**IN THE TITLE:**

At page 1, line 1, please delete the Title and substitute therefor - -HIGH-RESILIENT POLYURETHANE FOAMS PRODUCED FROM POLYETHER POLYOLS- -.

**IN THE SPECIFICATION:**

At page 1, line 3, please insert - -BACKGROUND OF THE INVENTION- -.

At page 3, line 9, please insert - -SUMMARY OF THE INVENTION- -.

At page 3, line 23, please insert - -BRIEF DESCRIPTION OF THE

**DRAWINGS**

Figure 1 illustrates the apparatus used to determine the air permeability of the foam produced in Example 12.

Figure 2 illustrates in detail the glass flow vessel of the apparatus shown in Figure 1.

Figure 3 illustrates in detail the measuring head of the apparatus shown in Figure 1.

**DETAILED DESCRIPTION OF THE INVENTION- -.**

**IN THE CLAIMS:**

Please cancel Claims 1-10 and add the following new Claims 11- 22:

- - 11. A flexible polyurethane foam which is the reaction product of

- (1) a polyisocyanate
- with
- (2) an isocyanate-reactive component comprising a polyether polyol produced by alkoxylation in the presence of a double metal cyanide catalyst containing at least one ethylene oxide/propylene oxide mixed block and having a number average molecular weight of from 700 to 50,000 g/mole.

12. The foam of Claim 11 in which the polyether polyol contains a terminal propylene oxide block.

13. The foam of Claim 12 which is a hot cured molded foam.

14. The foam of Claim 12 which is a slabstock foam.

15. The foam of Claim 14 in which at least 50 mole% of the ethylene oxide/propylene oxide mixed block of the polyether polyol comprises polyoxypropylene units.

16. The foam of Claim 11 in which the polyether polyol has a terminal ethylene oxide/propylene oxide mixed block and more than 40 mole% primary hydroxyl groups.

17. The foam of Claim 16 which is a cold-cured molded foam.

18. A process for the production of flexible polyurethane foams comprising reacting

(a) a polyisocyanate

with

(b) an isocyanate-reactive component comprising a polyether polyol produced by alkoxylation in the presence of a double metal cyanide catalyst having at least one ethylene oxide/propylene oxide mixed block and a number average molecular weight of from 700 to 50,000 g/mole.- -

#### IN THE ABSTRACT

At page 28, line 1, please delete the Title and substitute therefor - -HIGH - RESILIENT POLYURETHANE FOAMS PRODUCED FROM POLYETHER POLYOLS- -.

Please delete the text of the present Abstract and replace with:

[The invention relates to flexible] Flexible polyurethane foams [that have been] are produced from a polyisocyanate[s] and a polyether polyol[s] which has been alkoxyated in the presence of a double metal cyanide catalyst[s] and that has [have] at least one ethylene oxide-propylene oxide mixed block[, as well as a process for their production].